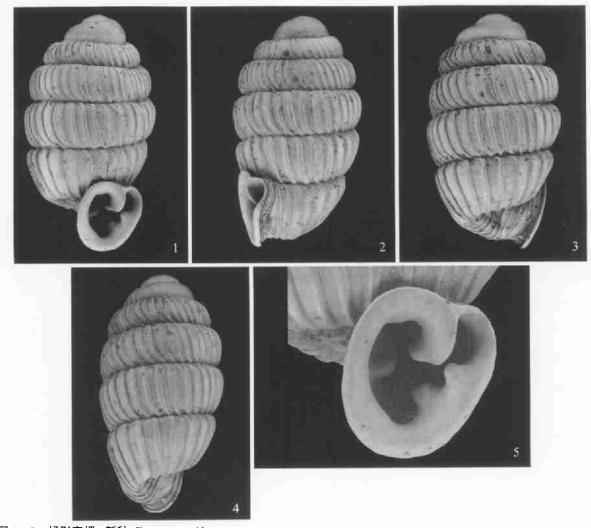
中国弯螺属一新种记述 (肺螺亚纲, 柄眼目, 扭轴蜗牛科)

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摘要 笔者在整理福建地区陆生贝类标本时,经比对鉴定发现1新种,即蛹形弯螺 Sinoenna pupoidea sp. nov.。隶 属肺螺亚纲、柄眼目、扭轴蜗牛科、弯螺属。对新种形态特征、栖息环境作了记述,并对其近似种也进行了讨论。 关键词 前鳃亚纲, 柄眼目, 扭轴蜗牛科, 弯螺属, 新种. 中图分类号 Q959. 212.5

蛹形弯螺,新种 Sinoennea pupoidea **sp. nov.** (图 2~ 5) 正模标本 売高2.94 mm, 売宽1.68 mm, 売口 高0.57 mm, 壳口宽 0.57, 标本采自福建省龙岩龙 洞 (25.30°N, 117.16°E), 2008年5月10日。副



- 图 1~ 5 蛹形弯螺,新种 Sinoennea pupoida sp. nov.

 1. 贝壳侧面观 (lateral view of shell) 2 贝壳右侧面观 (right lateral of shell) 3 贝壳左侧面观 (left lateral of shell) 4 贝壳背侧面观 (dorsal lateral of shell) 5. 壳口放大 (aperture enlarge)

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模标本 57 个, 壳高 2.80~ 3.00 mm, 壳宽 1.66~ 1.74 mm, 壳口高 0.55~ 0.63 mm, 壳口宽 0.54~ 0.63 mm。标本采自福建省永泰县天门山 (25.87°N, 118.96°E), 2008 年 4 月 26 日。福建省龙岩龙 洞 (25.30°N, 117.16°E), 2008 年 5 月 10 日。福建省龙岩莲花山 (25.01°N, 117.05°E), 2008 年 5 月 11 日。福建省 武夷山自然保护区 (27.75°N, 117.65°E), 2009 年 7 月 16 日。

模式标本采集地点如图 1 所示。

正模标本及一部分副模标本保存于福建出入境 检验检疫局检验检疫技术中心标本室,另一部分副 模标本保存于中国科学院动物研究所标本馆。

形态特征 贝壳小型,壳质厚,结实,有光泽,呈蛹形,有 $5\frac{1}{2}$ 个螺层,各螺层均匀增长,膨大,螺旋部高。壳面为乳白色或淡黄褐色,壳顶 1~2 个螺层下壳面具有无数纵行排列的肋纹,胚螺层光滑,无肋纹。壳顶十分钝,缝合线深。体螺层不膨大,靠近壳口处逐渐变窄,缩小。壳口狭小,呈椭圆形,

口缘厚,外翻,扩大而延长,呈喇叭状。壳轴垂直,在壳口内唇上有 1 枚较大呈片状角板,在右侧口缘上有 2 枚小的乳头状齿,在轴缘处有 1 枚较大的乳头状齿。脐孔小、呈孔隙状。

栖息环境 一般生活在阴暗潮湿多腐殖质石灰岩山区和丘陵地带,常栖息于多地衣、苔藓的石灰岩石壁上或缝隙中,落叶、腐败树枝下。新种在福建龙岩龙 洞 (石灰岩地貌) 种群密度较高,而在福建永泰天门山 (火山岩地貌) 种群密度较低。

讨论 新种与福州弯螺 *Sincermea fizzu ensis* (Zhou and Chen, 2006),在外部形态上相似,但较后者小,新种有 $5\frac{1}{2}$ 个螺层 (壳高2.94 mm,壳宽1.68 mm,壳口高0.57 mm,壳口宽 0.57),在轴缘处有 1 枚较大的乳头状齿。但后者有 $7\frac{1}{2}$ 个螺层 (壳高5.17 mm,壳宽2.57 mm,壳口高 1.86 mm,壳口宽 1.48 mm),在轴缘处无较大的乳头状齿。故而有所区别。

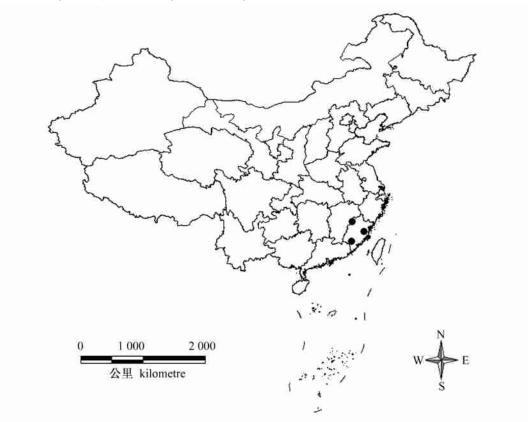


图 6 蛹形弯螺地理分布

Fig. 6. Geographical distribution of Sinoemea pupadea sp. nov.

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A NEW SPECIES OF THE GENUS SINOENNEA FROM CHINA (PULMONATA, STYOMMATOPHORA, STREPTAXIDAE)

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Abstract A new species of the genus Sinonna is described in the present paper. The materials were collected in Fujian Province, China in 2008 by the authors. Type specimens are deposited in the Fujian Entry Exit Inspection & Quaratine Bureau, Fuzhou and the Institute of Zoology, Chinese Academy of Sciences, Beijing, China.

Sinoennea pupoidea sp. nov. (Figs 2-5)

Holotype, alt. 2.94 mm, diam. 1.68 mm, alt of aperture 0.57 mm, diam. of aperture 0.57 mm, collected from Longkoutong Town, Longyan City (25. 30° N, 117. 16° E), Fujian Province, China, 10 May 2008. Paratypes 57 specimens, alt. 2.80-3.00 mm, diam. 1. 66 1. 74 mm, alt of aperture 0. 55 0. 63 mm, of aperture 0. 54 0. 63 mm, collected from Longkoutong Town, Longyan City (25.30° N, 117.16° E), 10 May 2008, Lianhuashan Town, Longyan City (25.01°N, 117.05°E), 11 May, 2008 and Tianmenshan Town, Wuyishan Nature Protection Areas (27. 75°N, 117. 65°E), 16 July 2009, Yongtai County (25. 87° N, 118. 96°E), 26 Apr. 2008, Fujian Province, China.

Geographical distribution of *Snoomea pupoidea* sp. nov is showed in Fig. 1.

Shell small, thick, solid, smooth, lustrous, pupar shaped. Wherls $5 \frac{1}{2}$, moderately convex with high spiral part. Shell milk white or light yellow in colour, and with some curve vertically rib stria, but the embryonic and second without rib stria, smooth. Apex blunt and short, ovate, with deep suture. Aperture small, elliptical shaped. The peristome thick, expanded and reflexed, with 1 big flake shaped angular lamellar at inner lip, with two nipple formed teeth in right lip, with 1 big nipple formed tooth in columellar lip. Umbilicus small, cavernous.

The new species fairly resembles *Snoonnea fuzouensis* (Zhou and Chen, 2006), but differes from the latter by the shells with $5\frac{1}{2}$ whorls, (alt 2.94 mm, diam. 1.68 mm, alt of aperture 0.57 mm, diam. of aperture 0.57 mm) and with 1 big nipple formed tooth in columellar lip. The latter shell with $7\frac{1}{2}$ whorls, (alt 5.17 mm, diam. 2.57 mm, alt of aperture 1.86 mm, diam. of aperture 1.48 mm) and without 1 big nipple formed tooth in columellar lip.

Key words Pulmonata, Styommatophora, Streptaxidae, *Smoemea*, new species.